

[INCH-POUND]
A-A-59440/3
13 August 1999
SUPERSEDING
MS35784C
28 March 1977

COMMERCIAL ITEM DESCRIPTION SPECIFICATION SHEET

COCK, DRAIN, SPRING KEY, 50 P.S.I.

The General Services Administration has authorized the use of this Commercial Item Description Specification Sheet for all federal agencies.

The complete requirements for procuring the cocks described herein shall consist of this document and the latest issue in effect of A-A-59440.

1. **SCOPE.** This commercial item description covers the requirements for cocks, drain, spring key, 50 PSIG in nominal sizes of 1/8 inch through 3/8 inch NPTF.
2. **CLASSIFICATION.** The characteristics of the cocks are contained in the schematics and charts (see figure 1 and table 1). The charts list the dash numbers that are included in the Part Identification Number (PIN) for the various styles of cocks.
3. **SALIENT CHARACTERISTICS.**
 - 3.1 General. All cocks shall meet the requirements of Commercial Item Description A-A-59440, and the requirements herein with respect to their individual illustrations, tables, and notes unless otherwise specified by the contract or order.
 - 3.2 Plugs and stems. Plugs and stems shall be made of the materials annotated herein unless otherwise stated in the contract or order.
 - 3.3 Size. The tables specified herein list the permissible variation in dimensions for each individual illustration. The external dimensions of the cocks should not limit procurement unless the end applications restrict these dimensions. Aside from the external dimensions of the cocks, all other requirements shall remain in effect unless otherwise stated in the contract or order.
4. **REGULATORY REQUIREMENTS.**
 - 4.1 Recycled/Recovered Materials. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

Beneficial Comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent to: Defense Supply Center, Columbus, ATTN: DSCC-VAI, 3990 East Broad Street, Columbus, OH 43216-5000, or telephone (614) 692-0538.

FSC 4820

5. QUALITY ASSURANCE PROVISIONS.

5.1 Product Conformance. The products provided shall meet the salient characteristics of this Commercial Item Description, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The government reserves the right to require proof of such conformance.

6. PACKAGING.

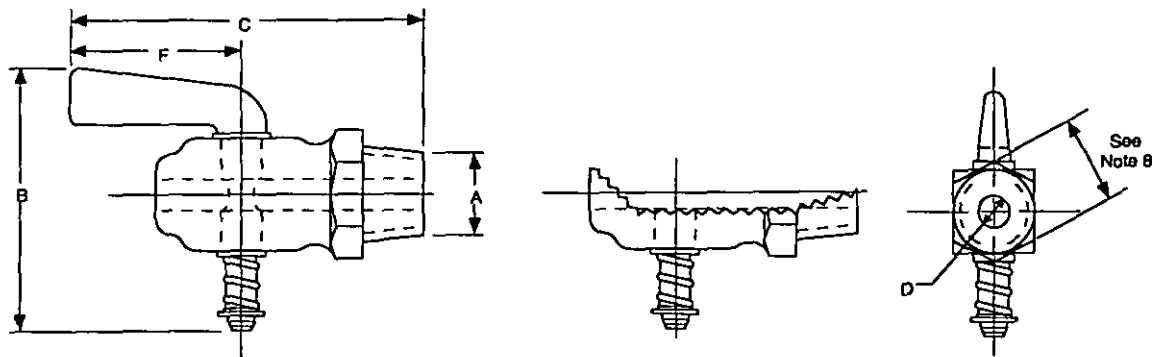
6.1 Preservation, Packing, and Marking. Preservation, packing, and marking shall be specified in the contract or order.

7. NOTES.

7.1 Part Identification Number (PIN). The PIN consists of the CID specification sheet number and the corresponding dash number given in this CID specification sheet for the particular type of cock required. Example: AA59440/3-011.

7.2 Ordering Data. Ordering data shall be as specified in A-A-59440.

Cock, Drain, Spring Key **50 psig WOG* at 150° F**



Dash Number		A	B	C	D	F
PHOR B1	C. Steel Or CRCS	Pipe Thread NPTF	Max	Max	Dia Min	Max
011	" "	1/8 - 27	1.75	1.91	.18	1.00
012	" "	1/4 - 18	1.88	2.47	.19	1.22
013	" "	3/8 - 18	2.75	2.97	.23	1.50

Notes:

1. **Material:** Body, Handle, Stem and Screw - Brass, manufacture's standard
Washer, Spring Retainer and Pin - manufacture's standard
Spring - Phosphor Bronze, covered under NGSs ASTM-B134, ASTM-B159, ASTM-B159M, ASTM-B206, and ASTM-B206M, Alloy Number 510, or Carbon Steel, or Corrosion Resisting Steel covered under NGSs ASTM-A313 And ASTM-A580, Composition 302, 304, 305, 316, 321, 347: Condition B.
2. **Protective Coating:** Uncoated
For Carbon Steel Only - coating conforming to ASTM-B633 or other corrosion resisting, non-toxic material.
3. **Threads:** Threads shall be in accordance with NGSs ANSI B1.20.3 and ANSI B1.20.5.
4. **Dimensions:** Unless otherwise specified all dimensions are in inches.
5. **Test Pressures:** Shell 80 psig, Seat 10 psig
6. Reference documents shall be of the issue in effect on date of invitations for bid.
7. This item is for use in liquid or gas systems where the pressure does not exceed 50 psig WOG at 150° F and the liquid or gas is compatible with brass.
8. Measurement across flats of Hexagonal Wrench Pad shall be a standard measurement under 1 inch.
9. The illustration is for identification purposes only and is not intended to restrict designs or shapes not dimensioned.

* Water, oil, and gas.

* * **Caution:** If other than phosphor bronze spring is used, be aware of possible spark and explosion risk.

Figure 1. Cock, Drain, Spring Key.

Table I
NSN/MS PART NUMBER/CID PIN EXTENSION/COMMERCIAL PART NUMBER TRACKING RECORD

COMPANY				Parker-Hannifin Corp.	Dayco Eastman Products	Anderson Brass Co.	Dana Corp.	Essex Brass Co.
CAGE CODE				93061	30327	70411	79470	20969
NSN	MS SHEET	SPEC. SHEET	CID PIN EXT					
4820-00-555-9761	MS35784-1	A-A-59440/3	011	DC601-2	41-E	H30C-J		63L
4820-00-287-4268	MS35784-2	A-A-59440/3	012	DC601-4	42-E	H30C-L	134-96905	64L
4820-00-272-3346	MS35784-3	A-A-59440/3	013	DC601-6	43-E			

MILITARY INTERESTS:

Custodians:

Army - AR
Navy - SH
Air Force - 99
DLA - CC

Review activities:

Army - AT, AV, CR4
NAVY - MC

CIVIL AGENCIES AND COORDINATING ACTIVITIES:

GSA – FSS

Preparing activity:

DLA – CC

(Project 4820–0778–13)